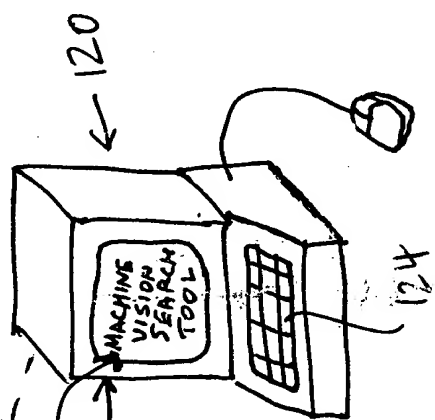
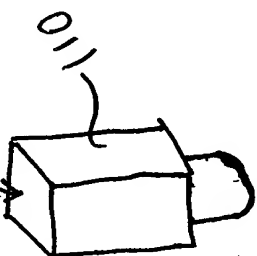


FIG. 1 is a block diagram of a machine vision search tool 120, which includes a camera 110, a processor 122, and a display 124. The camera 110 is connected to the processor 122, which is connected to the display 124. The processor 122 is also connected to a mouse 126. The display 124 shows a 3D coordinate system 118 with axes x, y, and z. The 3D coordinate system 118 is used to define the position and orientation of the machine vision search tool 120 relative to a target object 150. The target object 150 is shown in a 3D perspective view, with its position and orientation defined by the 3D coordinate system 118. The machine vision search tool 120 is used to search for and identify objects in a 3D environment.



100



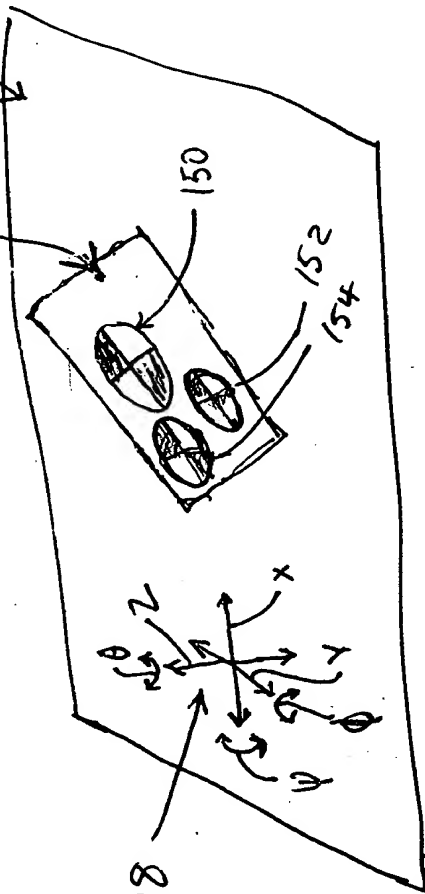
116



126

111

112



118

150

152

154

Fig. 1

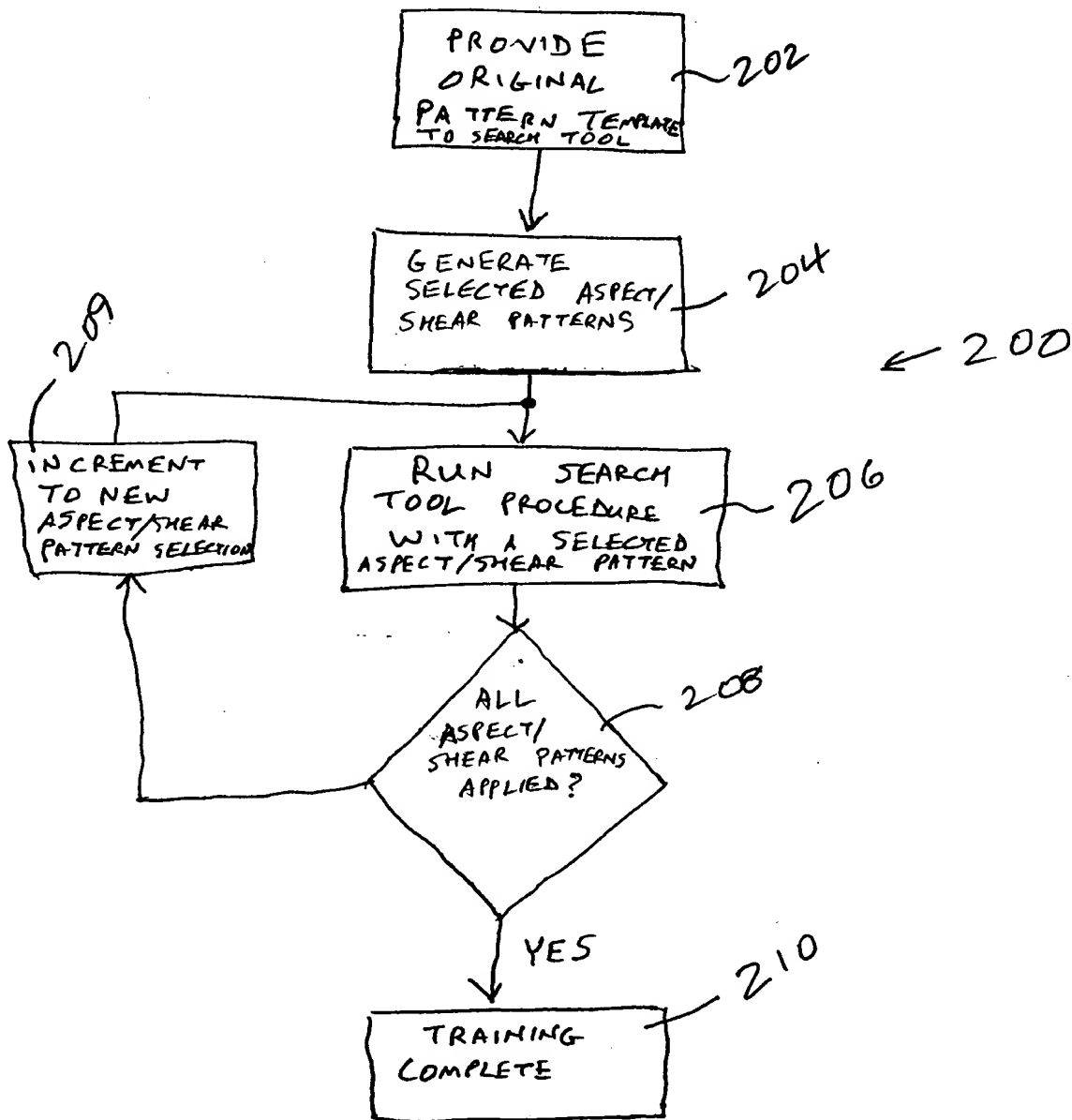


Fig. 2

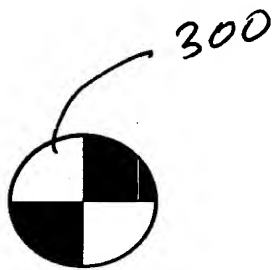


Fig. 3

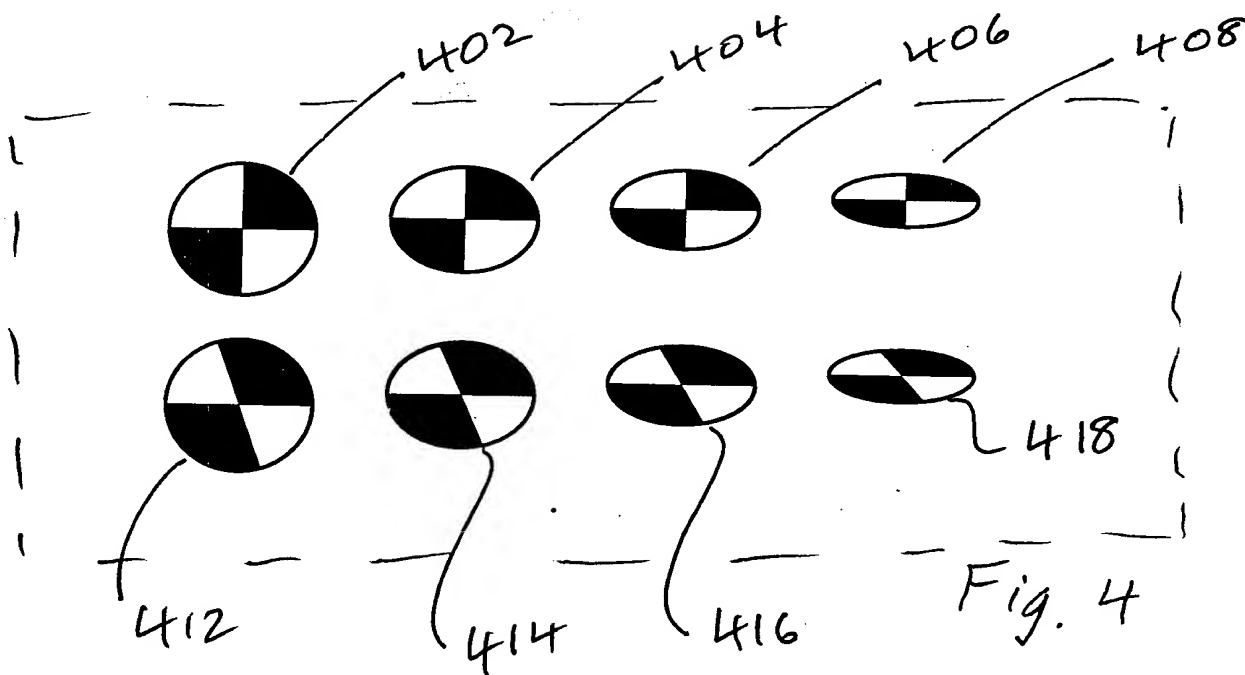


Fig. 4

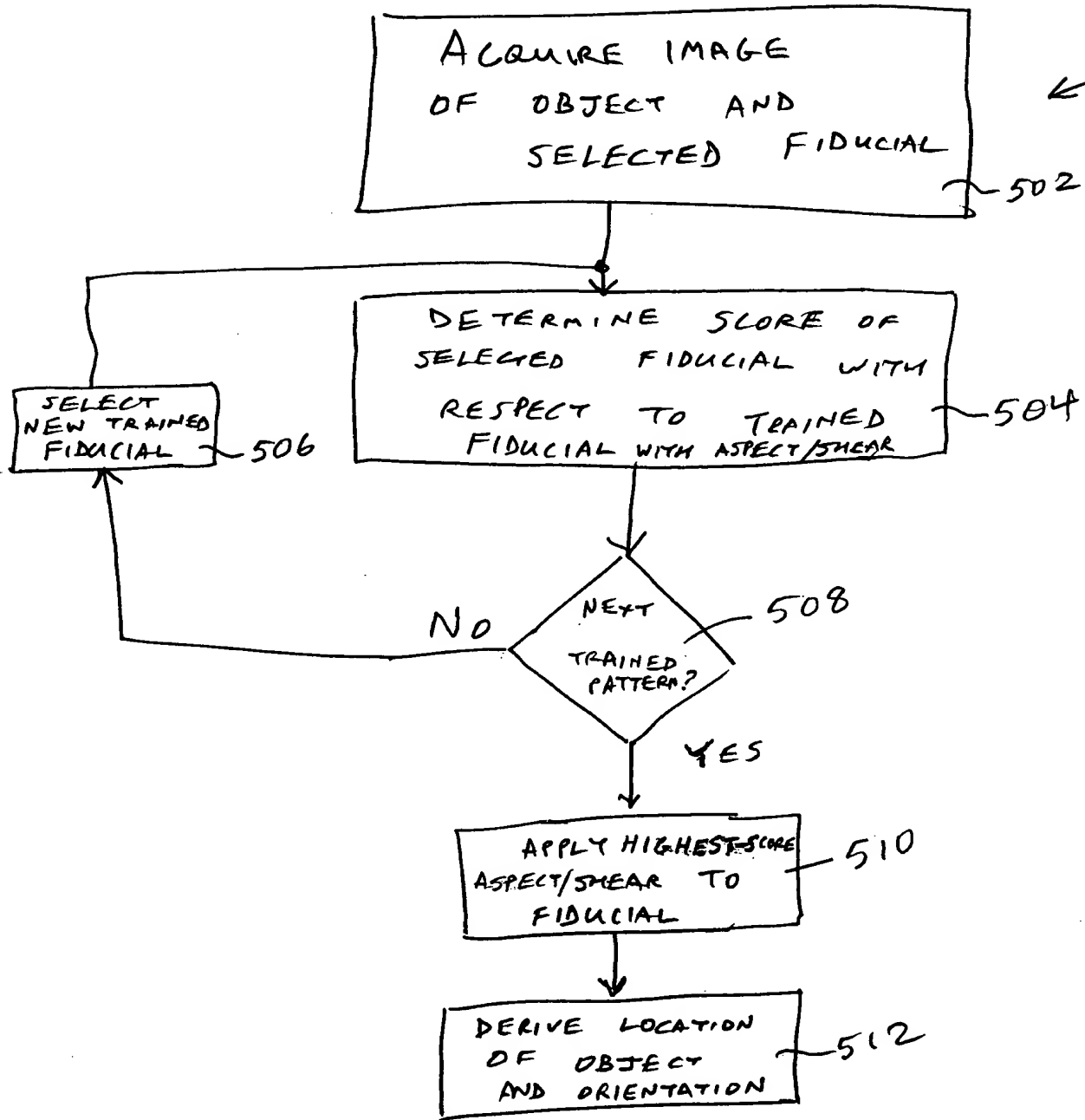


Fig. 5

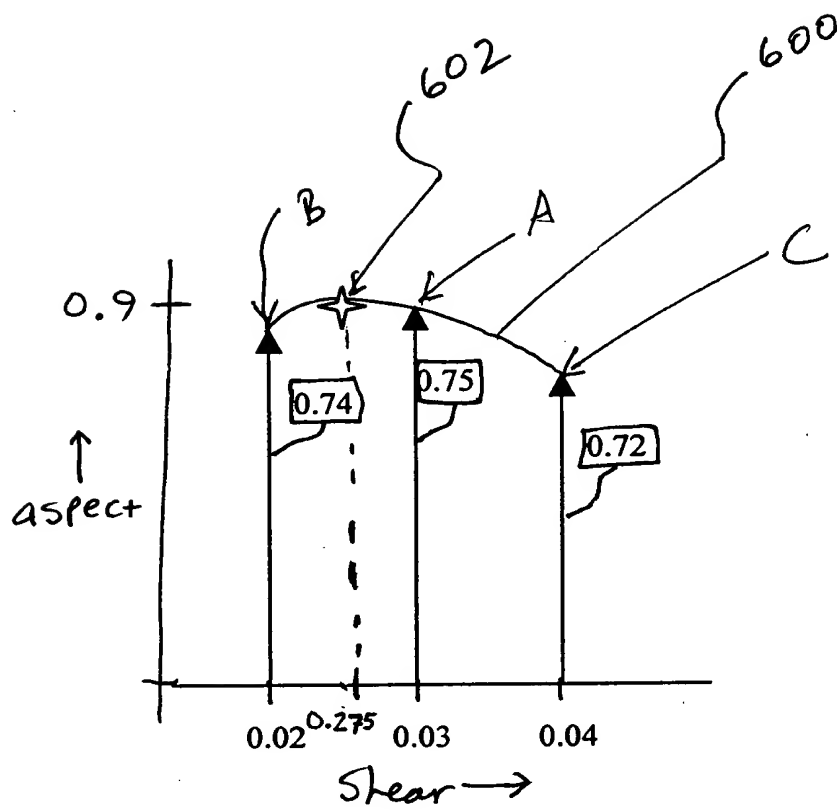


Fig. 6

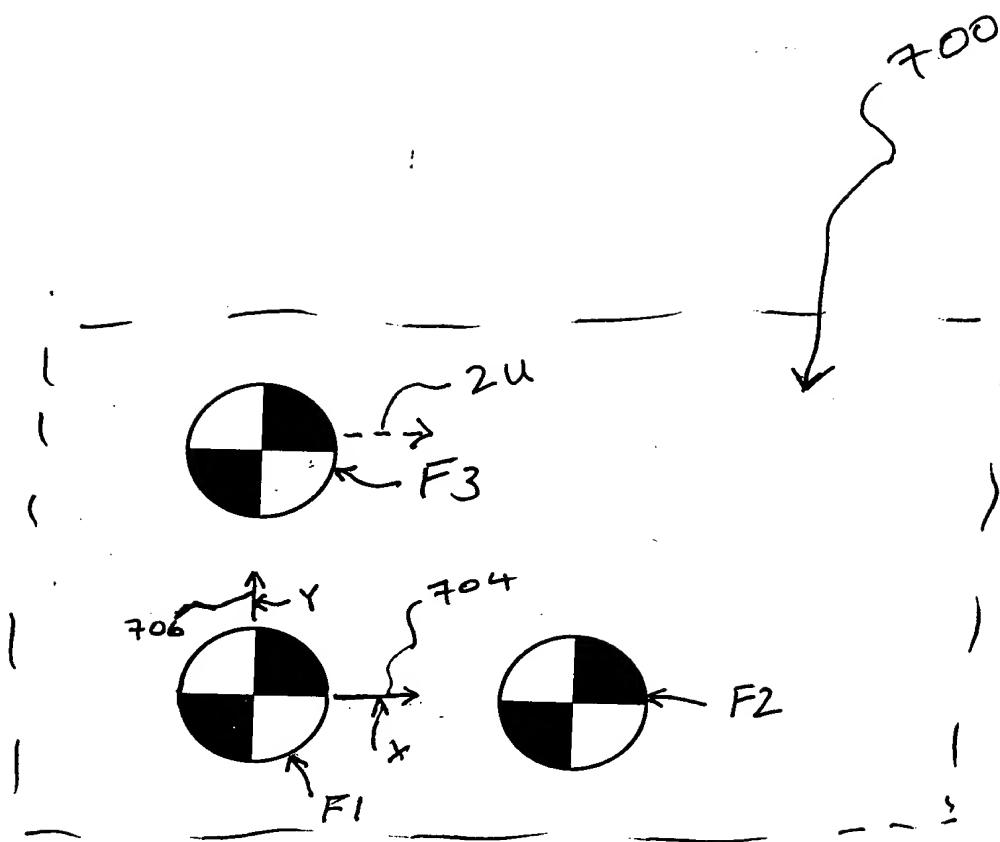


Fig. 7

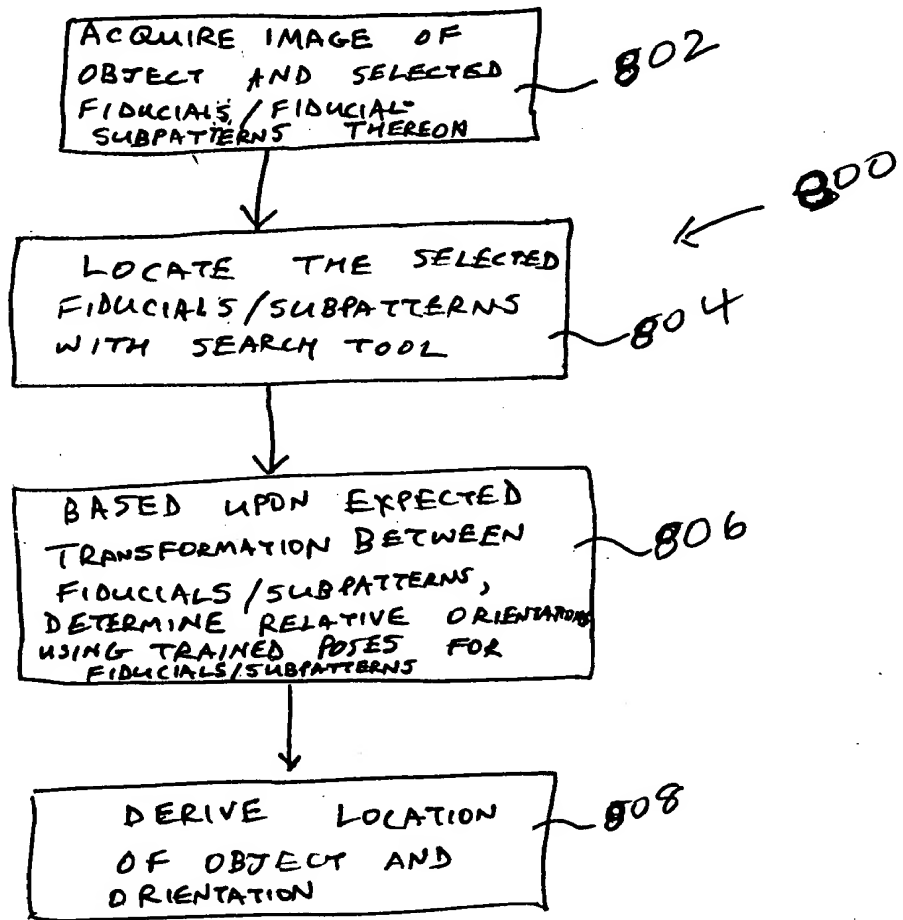


Fig. 8